**BAWS CodePipeline**

* a continuous delivery service you can use to model, visualize, and automate the steps required to release your software

* Affordable continuous delivery/deployment tool
  + Free tier eligible
  + $1/month for each active pipeline

* development team can specify and run actions or a group of actions, which is called a **stage**

* Common 3-stage pipeline:
  + Source
    - During this stage, CodePipeline will pull source code from a specified location (i.e. GitHub, CodeCommit, S3)
    - The source code itself is treated as an output parameter to this stage's operation
  + Build
    - The source code from the Source stage is treated as an input parameter to this stage's operation
    - During this stage, CodePipeline will leverage build server, such as CodeBuild or Jenkins, to build and package the software
    - The packaged software (.jar, .war, or other production files) is treated as an output parameter to this stage's operation.
  + Deploy
    - The packaged software is then deployed using a PaaS tool, such as Elastic Beanstalk, to automatically create an EC2 instance which will include the proper runtime environment to host the application.